

OXC-3232

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23 March 1962

OXCART Weekly Review

12 March - 23 March 1962

1. Meetings and Contacts:

a. On 12 and 13 March [ ] met with E. Hefenbark, J.M. Kelble, J.A. Warren and P.H. House at the Air Force Materials Laboratories in Dayton to discuss the tank sealant problem. Attached is [ ] report.

b. During 13 to 23 March [ ] visited IAC and [ ] Attached is his cabled report.

c. On 16 March Dr. Scoville met with Colonel Giller, Eugene Kiefer, John Parangosky, [ ] to discuss the OXCART AN and ECM development programs.

d. On 19 March John Parangosky, Colonel Leo Geary, [ ] and [ ] visited P & W, West Palm Beach, to review facilities requirements. A go-ahead was issued to install another test engine test stand.

e. On 22 March Eugene Kiefer, John Parangosky and [ ] visited [ ] and met with [ ] and [ ] of P & W to discuss development effort acceleration to increase quantities of test hardware.

f. On 22 March General Flickenger, [ ] met with [ ] of Firewel to review the parachute programs. Attached is a report by [ ]

g. Between 12 and 17 March [ ] contacted AFCLN (Pentagon), Colonel Hoffman of (FTD), NSA and OSI in connection with the OXCART [ ] problems.

h. In accordance with Dr. Scoville's instructions, a wire has been sent to IAC concurring in the aircraft delivery schedule contained in [ ] 2925 (IN 31228) with a caveat that a later look will be taken at a time recommended by Lockheed to insure that first AF-12 aircraft is not interfering with the A-12 delivery program. This position has been coordinated with Dr. Charyk.

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2. Status:

a. Engine Development and Status:

(1) Engine test time accumulation for the period 12 through 21 March:

Total engine time	30 hours
Afterburner time	5 hours
B-20 engine time	30 hours
Hot inlet time	0
Mach 2 inlet time	0
Hot turbine time	1 hour

(a) One test stand is operating with engine FX-118 (controls calibration).

(b) All engines except FX-118 and 114 are in assembly for rebuild with return to test targets varying from 3/30 to 4/30.

(c) FX-114 earmarked for ME.5 endurance returned to assembly after sea level calibration to investigate inlet case vibration.

(d) FX-111 (turbine inlet profile) returned to assembly 3/12 for rebuild due surge failure of non-bolted compressor rotor and turbine blade burning due resulting overtemperature.

(e) Primary effort directed toward preparing engines for endurance running, hydraulic pump development, and controls testing.

(f) Hydraulic pump 453504-2 (reported last week @ 14 hrs.) completed 62 hours mission endurance test at 200° max. fuel temperature with 3% oil. With exception of some piston to bore scoring due test stand fault, teardown inspection revealed pump to be in good condition.

(g) Afterburner fuel control hot endurance test reported last week @ 118 hours now stands @ 183 hours.

(h) Integrated control system sea level engine operation without seizure or instability reported last week @ 68 hours now stands @ 71 hours.

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(2) A meeting was held in [ ] on 21 March between [ ], Pratt and Whitney, and Headquarters representatives for the purpose of assuring implementation of an accelerated hydraulic pump development effort. The following areas were discussed:

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(a) Technical reorganization.

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(b) Development hardware increase. To the four [ ] development pumps heretofore in the [ ] test program, six additional pumps are targeted to test by 4/15/62, with two more targeted shortly thereafter.

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(c) Endurance test effort acceleration. [ ] anticipates a capability of 16 60 hour mission endurance tests per month utilizing four hot environmental test stands.

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(d) Rebuild turnaround time acceleration of the 14 Pratt and Whitney engine test pumps.

25X1A (e) Follow-up records and procedures for controlling the [ ] pump development program.

25X1A (f) Coordination between the [ ] development program in [ ] and the production program in [ ] for Hartford delivery units.

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b. INS. Test program as outlined in [ ] 2985 of which a copy is attached.

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c. P & H. See [ ] 878.

d. SLE. First phase of flight test has been completed; useful data has been reduced; preliminary evaluation of the data currently underway.

### 3. Problem Areas:

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a. Drogue Shoot and Survival Kit.

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b. Tank sealant problem - possible consultants [ ]

c. Fuel, tanker, offshore supply and increased BTU's.

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4. Subjects for Discussion:

a. Cables from P & W containing recommendations (attached).

b. Visit of C.L. Johnson to Headquarters to confer with the Director.

c. Dr. Scoville's trip to Hartford, Boston, and Norwalk, Conn.

d. Suppliers' meeting.

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JOHN PARANGOSKY  
C/DB/DPD

[redacted] DC/DB/DPD:hml (23 March 1962)

Attachments:

- 1 - [redacted] report
- 2 - [redacted] cabled report
- 3 - [redacted] report
- 4 - Cable, [redacted] 2985
- 5 - Cable, [redacted] 631
- 6 - Cable, [redacted] 633

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Distribution:

- Cy #1 - DD/R w/atts.
- 2 - AC/DPD w/o atts.
- 3 - EKO/DPD w/o atts.
- 4 - ASST.CH/DPD w/o atts.
- 5&6 - C/DB/DPD w/o atts.
- 7 - SA/TA/DPD w/o atts.
- 8 - DB/DPD w/o atts.
- 9 / RI/DPD w/o atts.

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